DENR/DEH

ON-SITE WASTEWATER SECTION

ERIC WARD
TEL (704) 946-4778

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: ___

Permit 15783 for

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

PINK 4705-97-2376

OWNER: Cody Schriver / Freedom Homes / Treatment APPLICATION DATE: 8-6-09
ADDRESS: Freedom Homes INC 197 Titanium DR DATE EVALUATED: 8-10-09
PROPOSED FACILITY: SF home PROPOSED DESIGN FLOW (.1949): 360 gpd PROPERTY SIZE: ___
LOCATION OF SITE: Hwy 64 West to Liggett Farm Rd to Stones Edge, Lot 5 PROPERTY RECORDED: ___
WATER SUPPLY: • Private • Public • Well • Spring • Other Lot 5 / Stones Edge INC
EVALUATION METHOD: • X Auger Boring • Pit • Cut TYPE OF WASTEWATER: • X Sewage • Industrial Process • Mixed

TR Gemstone TR right on left 197 Titanium DR (Cul de sac)

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	2-6% Side Slope (Linear)	0-3"		ORGANIC	2.5YR	14"			—
		3-14	SC SAB	WK FRI SEQ					
		Scattered Qtz. Probably A Floatee		UTA					
2	2-6% Side SLOPE (Linear)	0-3"		ORGANIC	2.5YR	48"			P/S 0.3 gpd/ft2/ day
		3-48	SC SAB	WK FRI SEQ					
3	2-6% Side SLOPE (Linear)	0-3"		ORGANIC	2.5YR	48"			P/S 0.3 gpd/ft2/ day
		3-42	SC SAB	WK FRI SEQ					
		42-48	SL SAB	WK FRI SEQ					
4	2-6% Side Slope (Linear)	0-3		ORGANIC	2.5YR	48"			P/S 0.3 gpd/ft2/ day
		3-48"	SC SAB	WK FR, SEQ					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	CONV. 25% RED	CONV. 25% RED
Site LTAR	0.3 gal/ft2	0.3 gal/ft2

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: EC
OTHER(S) PRESENT: ___

COMMENTS: ___

1220

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

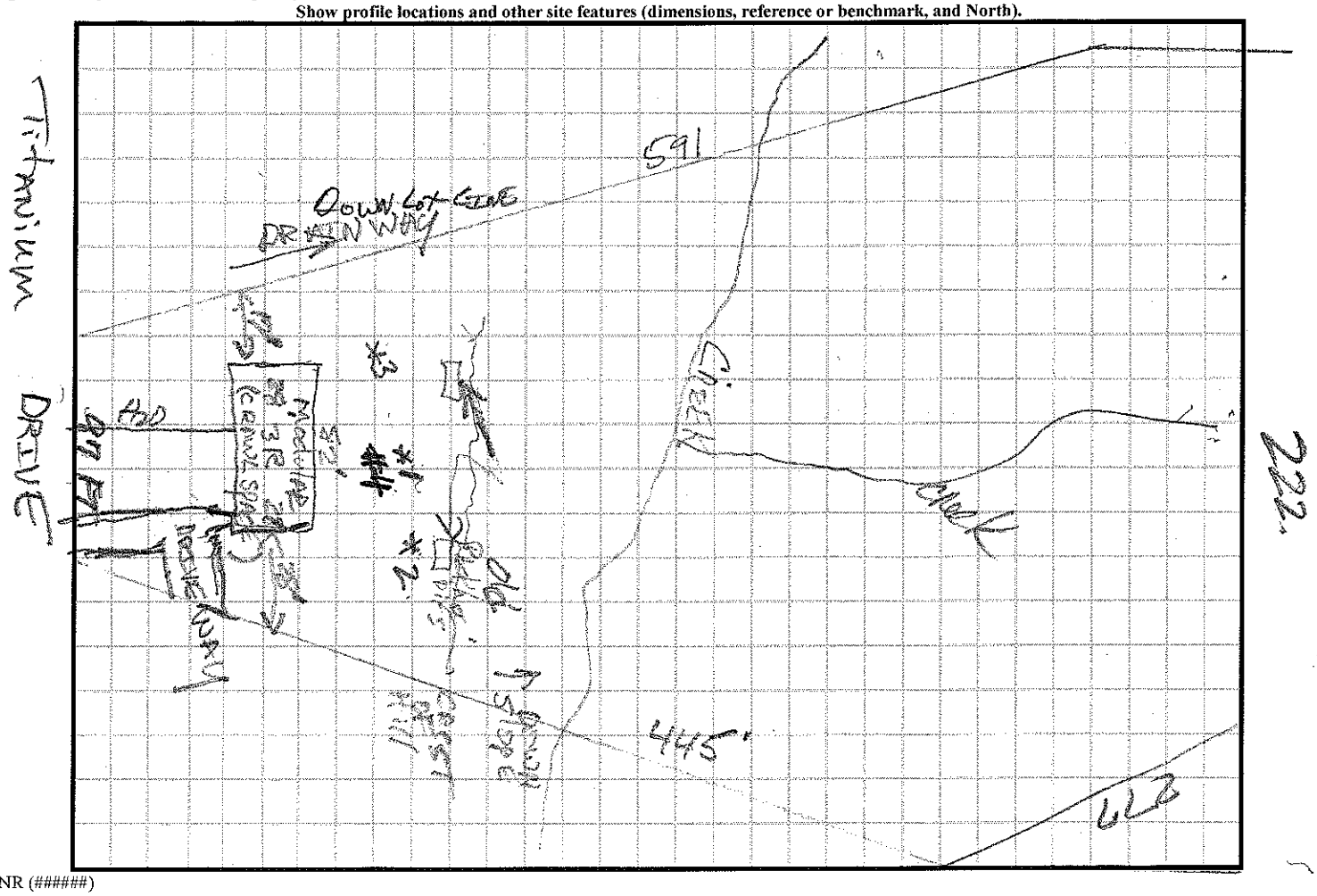
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)
Review (#####)